





DATE: 03/31/2000 TIME: 09:44:10

INPUT SET: S35194.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

1	SEQUENCE LISTING
2	(1) General Information:
3 4	(1) General information:
5	(1) General information: (i) APPLICANT: Hillman, Jennifer L. Corley, Neil C.
6 7	Guegler, Karl J.
8	Patterson, Chandra
9	Baughn, Mariah
-	Baugiiii, Marian
10	(ii) TITLE OF INVENTION: HUMAN APOPTOSIS ASSOCIATED PROTEINS
11 12	(II) TITLE OF INVENTION: NOMAN APOPTOSIS ASSOCIATED PROTEINS
13	(iii) NUMBER OF SEQUENCES: 12
14	(III) NOMBER OF SEQUENCES. 12
15	(iv) CORRESPONDENCE ADDRESS:
16	(A) ADDRESSEE: Incyte Pharmaceuticals, Inc.
17	(B) STREET: 3174 Porter Dr.
18	(C) CITY: Palo Alto
19	(D) STATE: CA
20	(E) COUNTRY: USA
21	(F) ZIP: 94304
22	(-,
23	(v) COMPUTER READABLE FORM:
24	(A) MEDIUM TYPE: Diskette
25	(B) COMPUTER: IBM Compatible
26	(C) OPERATING SYSTEM: DOS
27	(D) SOFTWARE: FastSEQ for Windows Version 2.0
28	
29	(vi) CURRENT APPLICATION DATA:
30	(A) APPLICATION NUMBER: 09/471,749
31	(B) FILING DATE:
32	
33	(vii) PRIOR APPLICATION DATA:
34	(A) APPLICATION NUMBER: 09/078,402
35	(B) FILING DATE:
36	
37	(viii) ATTORNEY/AGENT INFORMATION:
38	(A) NAME: Cerrone, Michael C.
39	(B) REGISTRATION NUMBER: 39,132
40	(C) REFERENCE/DOCKET NUMBER: PF-0519 US
41	
42	(ix) TELECOMMUNICATION INFORMATION:
43	(A) TELEPHONE: 650-855-0555
44	(B) TELEFAX: 650-845-4166
45	
46	(2) INFORMATION FOR SEQ ID NO:1:

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RAW SEQUENCE LISTING PATENT APPLICATION US/09/471,749

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47
48
            (i) SEQUENCE CHARACTERISTICS:
              (A) LENGTH: 480 amino acids
49
50
              (B) TYPE: amino acid
51
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear
52
53
            (vii) IMMEDIATE SOURCE:
54
55
               (A) LIBRARY: THP1PLB02
56
               (B) CLONE: 157658
57
            (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
58
59
60
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61
62
     Clu Lys Glu Met Leu Leu Phe Leu Cys Arg Asp Val Ala Ile Asp Val
63
                                      25
64
     Val Pro Pro Asn Val Arg Asp Leu Leu Asp Ile Leu Arg Glu Arg Gly
65
66
                                  40
     Lys Leu Ser Val Gly Asp Leu Ala Glu Leu Leu Tyr Arg Val Arg Arg
67
                              55
68
     Phe Asp Leu Leu Lys Arg Ile Leu Lys Met Asp Arg Lys Ala Val Glu
69
70
                         70
                                              75
     Thr His Leu Leu Arg Asn Pro His Leu Val Ser Asp Tyr Arg Val Leu
71
72
                                          90
73
     Met Ala Glu Ile Gly Glu Asp Leu Asp Lys Ser Asp Val Ser Ser Leu
74
                                      105
     Ile Phe Leu Met Lys Asp Tyr Met Gly Arg Gly Lys Ile Ser Lys Glu
75
76
                                  120
     Lys Ser Phe Leu Asp Leu Val Val Glu Leu Glu Lys Leu Asn Leu Val
77
78
                             135
                                                  140
     Ala Pro Asp Gln Leu Asp Leu Leu Glu Lys Cys Leu Lys Asn Ile His
79
80
                         150
                                              155
     Arg Ile Asp Leu Lys Thr Lys Ile Gln Lys Tyr Lys Gln Ser Val Gln
81
82
                      165
                                          170
     Gly Ala Gly Thr Ser Tyr Arg Asn Val Leu Gln Ala Ala Ile Gln Lys
83
84
                                      185
85
     Ser Leu Lys Asp Pro Ser Asn Asn Phe Arg Leu His Asn Gly Arg Ser
86
             195
                                  200.
     Lys Glu Gln Arg Leu Lys Glu Gln Leu Gly Ala Gln Gln Glu Pro Val
87
88
                              215
     Lys Lys Ser Ile Gln Glu Ser Glu Ala Phe Leu Pro Gln Ser Ile Pro
89
90
                                              235
                          230
91
     Glu Glu Arg Tyr Lys Met Lys Ser Lys Pro Leu Gly Ile Cys Leu Ile
92
                                          250
                      245
93
     Ile Asp Cys Ile Gly Asn Glu Thr Glu Leu Leu Arg Asp Thr Phe Thr
94
                                      265
95
     Ser Leu Gly Tyr Glu Val Gln Lys Phe Leu His Leu Ser Met His Gly
96
                                  280
     Ile Ser Gln Ile Leu Gly Gln Phe Ala Cys Met Pro Glu His Arg Asp
97
98
                              295
     Tyr Asp Ser Phe Val Cys Val Leu Val Ser Arg Gly Gly Ser Gln Ser
99
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148

149

150

151

152

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960

1020

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100	305			310					315					320	
101	Val Tyr	Gly Val	Asp	Gln '	Thr	His	Ser	Gly	Leu	Pro	Leu	His	His	Ile	
102	-	-	325					330					335		
103	Arg Arg	Met Phe	Met	Gly A	Asp	Ser	Cys	Pro	Tyr	Leu	Ala	Gly	Lys	Pro	
104	5 5	340		•	-		345		-			350	-		
105	Lys Met	Phe Phe	Ile	Gln i	Asn	Tvr	Val	Val	Ser	Glu	Gly	Gln	Leu	Glu	
106	_	355				360					365				
107	Asp Ser		Leu (Glu V	Val	-	Glv	Pro	Ala	Met		Asn	Val	Glu	
108	370				375	E	1			380	-1-				
109	Phe Lys	Ala Gln	Lvs.			Leu	Cvs	Thr	Va1		Ara	Glu	Ala	Asp	
110	385	1114 011	_	390	· .		0,2		395		••• 9			400	
111	Phe Phe	Trn Sar		-	Thr	Δla	λsn	Met		T. 6 11	T.e11	Glu	Gln		
112	rne rne	irb per	405	cys.		ALG	rob	410	DCI	Dea	neu	OIU	415	DCI	
113	His Ser	Sor Dro		י ונס	Tur	Tau	al n	-	Len	Sor	Gln	T we		λια	•
113	nis sei	420		Leu .	ıyı	пеа	425	Cys	Leu	Ser	GIII	430	пец	ALG	
114	Gln Glu			D~~ 1	F 011	T 011		T 011	uic	тло	Cl 11) cn	C1 11	
			AIG .	PIO 1	Leu		ASP	Leu	птэ	TTE	445	пеп	ASII	GIA	
116		435	III	.	o	440	11-1	G		T		T	m	(T)	
117	Tyr Met	Tyr Asp	TIP			Arg	vaı	ser	AId	_	GIU	гуѕ	Tyr	Tyr	
118	450	T 01 m	77.5 m 1		455	3	*	T	T	460	T	C	m	mb	
119	Val Trp	red GIU			Leu	Arg	гàг	гуѕ		тте	rea	Ser	ıyı		
120	465		•	470					475					480	
121		/0\ TN		TTON	50			NO . 1	٠.						
122		(2) IN	FORMA.	LTON	FOR	(SEÇ	מד נ	NO: 2	2:						
123		. ~=~													
124	•) SEQUE													
125		(A) LEN					irs								
126		(B) TYP													
127		(C) STR				-	9								
128		(D) TOP	OLOGY	: T11	near	-									
129									•						
130	(🗸	ii) IMM													
131		(A) LI				B02					-				
132		(B) CL	ONE:	1576	58										
133	_	•								_					
134	(x	i) SEQU	ENCE	DESCI	RIPT	'ION:	SEΩ	DID	NO:	2:					
135															
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137	GGAAAGAA														120
138	TGTCGACA														180
139	GAGCTTGC														240
140	ACTCGGCC														300
141	CAAGGACC														360
142	AGTCCGCT														420
143	AGGGGAGC														480
144	CCCACTGG														540
145	GCTGGCTT														600
146	CTAAGAGT														660
147	AGAAGGAG.	AT GCTG	CTCTT	r TTC	GTGC	CGGG	ATC	TTGC	TAT	AGAT	CTGC	TT (CCACC	CTAATG	720

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AACTGCTCTA CAGAGTGAGG CGATTTGACC TGCTCAAACG TATCTTGAAG ATGGACAGAA AAGCTGTGGA GACCCACCTG CTCAGGAACC CTCACCTTGT TTCGGACTAT AGAGTGCTGA

TGGCAGAGAT TGGTGAGGAT TTGGATAAAT CTGATGTGTC CTCATTAATT TTCCTCATGA

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156		260
157		320
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159		440
160		500
161		560
162		620
163		680
164		740
165		800
166		860
167		920
168		980
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170		100
171	·	160
172		220
173		280
174		340
175		352
176		
177	(2) INFORMATION FOR SEQ ID NO:3:	
178	_	
179	(i) SEQUENCE CHARACTERISTICS:	
180	(A) LENGTH: 238 amino acids	
181	(B) TYPE: amino acid	
182	(C) STRANDEDNESS: single	
183	(D) TOPOLOGY: linear	
184	· /	
185	(vii) IMMEDIATE SOURCE:	
186	(A) LIBRARY: BRSTNOT03	
187	(B) CLONE: 642272	
188		
189	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:	
190		
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193	Ser Arg His Val Ser Val Arg Thr Ser Val Val Thr Gln Gln Leu Leu	
194	20 25 30	
195	Ser Glu Pro Ser Pro Lys Ala Pro Arg Ala Arg Pro Cys Arg Val Ser	
196	35 40 45	
197	Thr Ala Asp Arg Ser Val Arg Lys Gly Ile Met Ala Tyr Ser Leu Glu	
198	50 55 60	
199	Asp Leu Leu Lys Val Arg Asp Thr Leu Met Leu Ala Asp Lys Pro	
200	70 75 80	

Phe Phe Leu Val Leu Glu Glu Asp Gly Thr Thr Val Glu Thr Glu Glu

Tyr Phe Gln Ala Leu Ala Gly Asp Thr Val Phe Met Val Leu Gln Lys

Gly Gln Lys Trp Gln Pro Pro Ser Glu Gln Gly Thr Arg His Pro Leu

AATTATTGAG GCTGAAAAA AAAA

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206
              115
                                   120
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208
                              135
                                                   140
      Phe Asp Leu Tyr Lys Leu Asn Pro Gln Asp Phe Ile Gly Cys Leu Asn
209
210
                          150
                                               155
      Val Lys Ala Thr Phe Tyr Asp Thr Tyr Ser Leu Ser Tyr Asp Leu His
211
212
                      165
                                           170
                                                               175
      Cys Cys Gly Ala Lys Arg Ile Met Lys Glu Ala Phe Arg Trp Ala Leu
213
214
                                       185
                                                           190
      Phe Ser Met Gln Ala Thr Gly His Val Leu Leu Gly Thr Ser Cys Tyr
215
216
                                   200
      Leu Gln Gln Leu Leu Asp Ala Thr Glu Glu Gly Gln Pro Pro Lys Gly
217
218
                               215
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219
                          230
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220
221
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222
223
224
            (i) SEQUENCE CHARACTERISTICS:
225
              (A) LENGTH: 1284 base pairs
              (B) TYPE: nucleic acid
226
              (C) STRANDEDNESS: single
227
228
              (D) TOPOLOGY: linear
229
           (vii) IMMEDIATE SOURCE:
230
231
               (A) LIBRARY: BRSTNOT03
232
               (B) CLONE: 642272
233
            (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
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242
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243
                                                                             480
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244
      GCCAAGAAGA TTGATGTGGC CCGTGTAACG TTTGATCTGT ACAAGCTGAA CCCACAGGAC
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245
246
      TTCATTGGCT GCCTGAACGT GAAGGCGACT TTTTATGATA CATACTCCCT TTCCTATGAT
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      AGCAATCCGG CCTCGCAGGC TGTACTTTCA TGGTGCTCTC TACCTTCTGG CCCCCATCCC
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Original Text